

EXHIBIT 2

Kevin McKernan: Mr. McKernan currently serves as the Founder and Chief Scientific Officer of Medicinal Genomics. In 2011, Medicinal Genomics was the first organization to publish the *Cannabis sativa L.* draft genome in effort to build a better scientific foundation for cannabis based therapeutics, blockchain tracking of strains, and microbial-cannabis safety tests. In 2018, Medicinal genomics further refined this genome reference with the publication of the Jamaican Lion genome with DASH and Pacific Biosciences. To date this is the most contiguous Cannabis genome reference ever created and has aided in the design of high specificity qPCR assays for microbial contamination in cannabis. Medicinal Genomics now offers cannabis safety testing and strain tracking services in over 20 states and multiple countries. Previously, Kevin worked as a Vice President and Director of R&D for Life Technologies where he oversaw the next generation SOLiD sequencing technology from 2006 to 2011. Integral to the SOLiD R&D process, Kevin oversaw over 100 research collaborations exploring the new biological frontiers with next generation sequencing and saw particular excitement and traction in human tumor sequencing. These collaborations resulted in hundreds of publications and 7 Journal covers from Science Translational Medicine, Genome Research, Clinical Chemistry, Nature Methods and Nature. Prior to his work at ABI, Kevin was the President and CSO of Agencourt Personal Genomics, a startup company he co-founded in 2005 to develop SOLiD sequencing. This ligation based sequencing technology dropped the cost of sequencing a human genome from \$300M to \$3,000; a 100,000 fold improvement in sequencing speed and cost in a few years. From 1996 to 2000 Kevin managed the Research and Development for the Human Genome Project at Whitehead Institute/MIT resulting in several patents for nucleic acid purification.

Kevin's publications include:

[Microbiological examination of nonsterile Cannabis products: Molecular Microbial Enumeration Tests and the limitation of Colony Forming Units.](#)

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[Cryptocurrencies and Zero Mode Wave guides: An unclouded path to a more contiguous Cannabis sativa L. genome assembly](#)

McKernan KJ, Helbert Y, Kane LT. OSF 2018

[Metagenomic analysis of medicinal Cannabis samples; pathogenic bacteria, toxigenic fungi, and beneficial microbes grow in culture-based yeast and mold tests](#)

McKernan KJ, Spangler J, Helbert Y, et al., F1000Research 2016

[Cannabis microbiome sequencing reveals several mycotoxic fungi native to dispensary grade Cannabis flowers](#)

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Issued Patents

9822395 Methods for producing a paired tag from a nucleic acid sequence and met _____

9670545 Methods and kits for treating and classifying individuals at risk of or sufferi

9512472 Method of amplifying nucleic acid sequences

9493830 Reagents, methods, and libraries for bead-based sequencing

9422594 Method of amplifying nucleic acid sequences

9309560 Methods for producing a paired tag from a nucleic acid sequence and met

9217177 Methods for bead-based sequencing

8486382 Method for treating cervical cancer

8431691 Reagents, methods, and libraries for bead-based sequencing

8329404 Reagents, methods, and libraries for bead-based sequencing

8058030 Methods of producing and sequencing modified polynucleotides

7993842 Directed enrichment of genomic DNA for high-throughput sequencing

7851158 Enrichment through heteroduplexed molecules

7645866 Methods of producing and sequencing modified polynucleotides

7527929 Methods of isolating nucleic acids using multifunctional group-coated solid

6534262 Solid phase technique for selectively isolating nucleic acids

Patent Applications

- 20180163253 METHODS FOR PRODUCING A PAIRED TAG FROM A NUCLEIC ACID SEQUEN
- 20170081717 Reagents, Methods, and Libraries for Bead-Based Sequencing
- 20170073732 METHOD OF AMPLIFYING NUCLEIC ACID SEQUENCES
- 20160265034 METHODS FOR PRODUCING A PAIRED TAG FROM A NUCLEIC ACID SEQUEN
- 20160230223 Method Of Amplifying Nucleic Acid Sequences
- 2016018626 METHODS AND KITS FOR TREATING AND CLASSIFYING INDIVIDUALS AT 4 RIS FUNCTION
- 20160177404 Cannabis genomes and uses thereof
- 20140342353 Reagents, Methods, and Libraries for Bead-Based Sequencing
- 20140335569 Method Of Amplifying Nucleic Acid Sequences
- 20140248610 Reagents, Methods, and Libraries for Bead-Based Sequencing
- 20140243232 NUCLEIC ACID COMPLEXITY REDUCTION
- 20140057251 Cannabis Genomes and Uses Thereof
- 20120191363 Reagents, Methods, and Libraries for Bead-Based Sequencing
- 20110257385 METHODS FOR FLIP-STRAND IMMOBILIZING AND SEQUENCING NUCLEIC AC
- 20110257019 Directed Enrichment of Genomic DNA for High-Throughput Sequencing
- 20110081687 Enrichment Through Heteroduplexed Molecules
- 20110077169 Reagents, Methods, and Libraries for Bead-Based Sequencing
- 20100298551 Methods Of Producing And Sequencing Modified Polynucleotides
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- 20100297626 Reagents, Methods, and Libraries for Bead-Based Sequencing
- 20100285461 Methods Of Producing And Sequencing Modified Polynucleotides
- 20100121044 SOLID PHASE TECHNIQUE FOR SELECTIVELY ISOLATING NUCLEIC ACIDS CLEIC ACID SEQUE
- 20100120034 METHYLATION ANALYSIS OF MATE PAIRS
- 20100028888 METHODS FOR PRODUCING A PAIRED TAG FROM A NU
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- 20090181860 Reagents, methods, and libraries for bead-based sequencing
- 20090181385 Reagents, methods, and libraries for bead-based sequencing
- 20090062129 REAGENTS, METHODS, AND LIBRARIES FOR GEL-FREE BEAD-BASED SEQU
- 20090036325 Directed assembly of amplicons to enhance read pairing signature with massively p
- 20080274466 Enrichment Through Heteroduplexed Molecules
- 20080003571 Reagents, methods, and libraries for bead-based sequencing
- 20070231823 Directed enrichment of genomic DNA for high-throughput sequencing
- 20070054285 Method for isolating nucleic acids
- 20070026438 Methods of producing and sequencing modified polynucleotides
- 20060177836 Methods of isolating nucleic acids using multifunctional group-coated solid phase c
- 20060078923 Method for isolating nucleic acids
- 20060024701 Methods and reagents for the isolation of nucleic acids
- 20060024681 Methods for producing a paired tag from a nucleic acid sequence and methods of u
- 20060003357 Solid phase technique for selectively isolating nucleic acids
- 20050072674 Method and device for introducing a sample into an electrophoretic apparatus
- 20040214175 Solid phase technique for selectively isolating nucleic acids

20040197780 Method for isolating nucleic acids

20030235839 Solid phase technique for selectively isolating nucleic acids

Honors and Awards:

- 1)Nominee- Aventis Innovative Investigator Award
- 2)Invitation to the Whitehouse, Human Genome Project Completion Celebration
- 3)Invitation to the House of Lords, Genomic Medicine
- 4)G35- Genome Technology, Most influential in Genomics under age 35
- 5)TR35 Nominee- MIT Technology Review
- 6)Beckman Coulter Game Ball- Most influential deal in Beckman Coulter in 2006
- 7)Most innovative patent of the year- Life Technologies 2008
- 8)Over a half dozen awards misdirected at me but really the ownership of the SOLiD team in Beverly, MA for the most innovative product in Nucleic Acid Sciences.